



ADR Dangerous Goods Driver Training Qualifications

Class 1

What is this unit about?

Drivers of vehicles carrying substances or articles of Class 1 shall attend a Specialisation training course.

This Class 1 Specialisation course does not cover any other aspect of the ADR course.

What should I know or be able to do before I start?

Have completed an ADR course in accordance with its relevant statutory requirements. After having sat the examination(s) and after having attended the Specialisation course for the carriage of explosive material of Class 1 the candidate shall be allowed to take part in the corresponding examination.

What will I know or be able to do when I achieve this unit?

On successful completion of this unit, you should have sufficient knowledge to be able to effectively carry out your role as a driver of dangerous goods for carriage of explosive material and articles in Class 1 throughout the UK and Europe, as specified in the current ADR and Domestic Regulations.

What does this involve?

Compulsory attendance on an approved one day training course will be required.

- ◆ A minimum of 8 x 45 minute Teaching units for initial candidates
- ◆ A minimum of 4 x 45 minute Teaching units for refresher candidates

How will this unit be delivered?

This unit will be delivered in accordance with the prescribed standards in a classroom environment with relevant class participation, together with the use of illustrative examples and visual aids.

The practical exercises for this course will be by means of instruction, followed by an exercise based on a written scenario and completed individually to demonstrate the ability to perform correctly.

How will I show that I have achieved this unit?

This unit will be assessed by multiple-choice examination. You must achieve a minimum pass mark of 70%.

Any failed examination must be retaken and successfully completed with any examination passes being held for a maximum of 12 months from original notification of result.

What can I do next?

Progression routes may include further study towards Specialisation courses for carriage in Tanks and/or Class 7.

What will I have to do?

Undertake refresher training in the year before expiry of any certificate issued if you wish to continue certification.

Further guidance

This unit is supported by the Department for Transport and HSENI Manual of Practice.



Administrative information

unit code: 004

unit title: Class 1

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Source: SQA

Version: 1.3

History of changes

Version	Description of change	Date
1.1	Revision of assessment criteria and reformatting of document.	
1.2	ADR 2019 unit review.	November 2018
1.3	ADR 2021 unit review	November 2020

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Guidance for instructors

All content detailed within the tables below must be taught.

Learning objective	Areas to be covered
1.1 The definition of explosives, and the classification of explosives into Divisions and Compatibility Groups.	1.1.1 The distinctive characteristics of an explosive. 1.1.2 Detonations, shock waves, deflagrations and pyrotechnics. 1.1.3 The Class 1 divisions, the risks of each division, and examples of each division. Unclassified explosives. 1.1.4 The compatibility groups, the rules relating to mixed loads, and the allocation of responsibilities. 1.1.5 Restrictions on the carriage of certain loads, (eg Group K). 1.1.6 Definitions of substance, article, and net mass of explosive.
Training note: This section must include a suitable video clip or DVD to cover 'The main hazards of Class 1 substances. <i>(Mandatory for initial and refresher courses).</i>	
1.2 The packaging and labelling of explosives.	1.2.1 The regulations governing packaging and labelling. 1.2.2 UN approved packaging scheme, their performance criteria, certification and net contents of explosive. 1.2.3 Marking and labelling requirements for inner and outer packaging including overpacks. 1.2.4 Labelling for subsidiary hazards. 1.2.5 Checking packages and containers for soundness and security. 1.2.6 Marking and placarding of vehicles and containers. 1.2.7 The relationships between Domestic regulations, the IMDG code and ADR.

Learning objective	Areas to be covered
1.3 The loading, unloading and carriage of explosives.	<p>1.3.1 The responsibilities of consignors, consignees, carriers and drivers.</p> <p>1.3.2 The types of vehicles permitted to carry explosives, their characteristics, construction and certification.</p> <p>1.3.3 Maximum permitted loads by division and type of vehicle.</p> <p>1.3.4 Preparation of vehicles for loading and the loading procedures.</p> <p>1.3.5 Stowage, segregation and load security.</p> <p>1.3.6 Transport document and description of materials.</p> <p>1.3.7 Requirements for vehicle equipment, including fire extinguishers. No difference between Class 1 and other dangerous goods.</p> <p>1.3.8 Restrictions on smoking, carriage of sources of ignition and passengers.</p> <p>1.3.9 Prohibitions, including certain explosives and certain mixed loads.</p> <p>1.3.10 Selection of routes.</p> <p>1.3.11 Checks to be made before leaving and during stops.</p> <p>1.3.12 Separation distances in convoy and parking.</p> <p>1.3.13 Vehicle breakdowns and restrictions on repairs.</p> <p>1.3.14 The need for completion without delay, and action in the case of non-delivery.</p> <p>1.3.15 The prevention of fire on or near a vehicle and protection against accidental initiation of explosives which are sensitive to electro-magnetic radiation.</p> <p>1.3.16 Security and High Consequence Dangerous Goods.</p>

Table B — Practical Exercises

Learning objective	Areas to be covered
1.4 The safe and correct loading of a vehicle with a mixed load of explosives.	1.4.1 The use of mechanical handling equipment. 1.4.2 Cleanliness of the vehicle load compartment or container. 1.4.3 Minimising load height. 1.4.4 Weight distribution. 1.4.5 Load restraint. 1.4.6 The avoidance of friction. 1.4.7 Basic mixed load of explosives in accordance with the mixing rules.
Training note: This subject to include an exercise based on a written scenario to be completed individually. <i>(Mandatory for initial and refresher courses).</i>	
1.5 The special measures to be taken in the event of an accident or incident involving a vehicle carrying explosives.	1.5.1 Clear and prompt communication with the emergency services and the carrier. 1.5.2 Fire prevention and dealing with fires in the vehicle and the load. 1.5.3 Assessment of the incident. 1.5.4 Dealing with the public. 1.5.5 Evacuation and hard cover.
Training note: This subject to include an exercise based on a written scenario to be completed individually. <i>(Mandatory for initial and refresher courses).</i>	